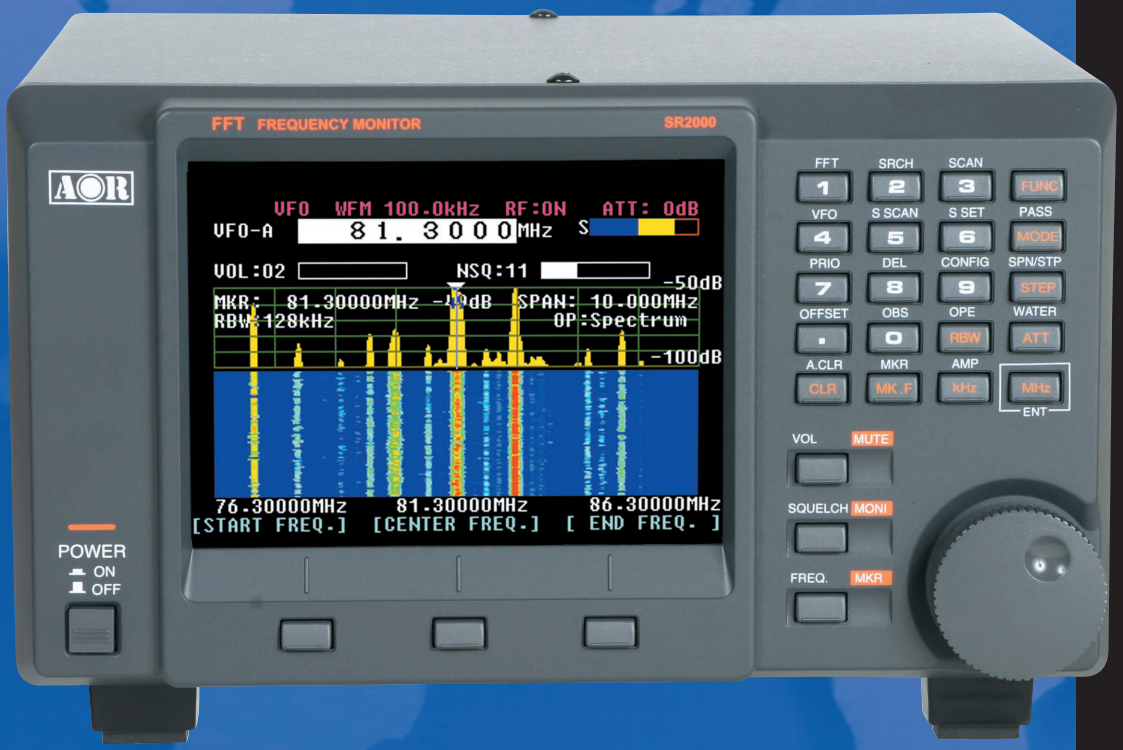
AOR SR2000 Frequency Monitor

The SR2000 is an ultra-fast spectrum display monitor with a high quality triple-conversion receiver



- **FFT (Fast Fourier Transform) high speed display**
- **Displays up to 10MHz of spectrum bandwidth**
- **5 inch TFT color LCD display**
- **Waterfall (time) display function**
- **High speed FFT search** quickly captures new signal transmissions
- **Versatile color display** uses state of the art digital signal processing
- **Average or peak value readings**
- **Frequency coverage:** 25MHz ~ 3GHz (no gaps)
- **Ultra-stable, high-sensitivity triple-conversion receiver**
- **AM/NFM/WFM/SFM receive modes**
- **1000 memory settings** (100ch x 10 memory banks)
- **Easy menu-driven operation**
- **PC control** through serial port (or optional USB interface)

AOR puts the power of FFT (Fast Fourier Transform) algorithms to work in tandem with a powerful receiver covering 25 MHz ~ 3 GHz continuous. The result is a compact color spectrum display monitor that's ultra-sensitive, incredibly fast, yet easy to use. The SR2000 is perfect for base, mobile or field use and can also be used in combination with a personal computer.

High Speed FFT Search – Scans 10 MHz in as little as 0.2 seconds! Instantly detects, captures and displays transmitted signals.

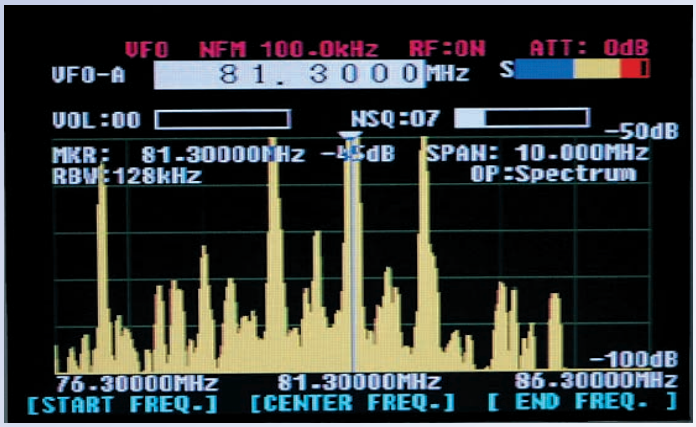
SR2000
Standard Accessories:
AC adapter, control cables

AOR®
Authority on Radio Communications

AOR SR2000 Frequency Monitor

Monitor signals with incredible speed!

The FFT search function enables incredibly high speed signal monitoring, up to 10MHz search in 0.2 seconds! Using the built-in 5 inch TFT color display, it is easy to monitor the clear, crisp images of received signals. Up to 10 MHz of bandwidth can be displayed in real time through advanced Digital Signal Processing. The waterfall display function tracks signals over time and uses colors to define their strength.



High grade front end delivers amazing stability

The SR2000 receiver module is a professional grade triple conversion unit that delivers amazing stability over a wide temperature range, covering 25 MHz ~ 3 GHz. The specially designed circuit enables high linearity and clean IF output signal.

See wideband coverage (25MHz~3GHz) in AM/NFM/WFM/SFM modes

The SR2000 is a digital monitor scope with a built-in high grade front end for the professional user. The digitally processed IF signals of the RF unit are combined with FFT technology enabling spectrum analysis and high speed signal detection in real time. In one compact unit, the SR2000 integrates a large color display with a professional grade receiver blending high RF technology with digital processing.

Easy-to-use control panel

The keys and single control dial on the front panel of the SR2000 are designed to enable maximum versatility and simple operation. Monitored frequency and audio gain can be adjusted simply by using the main control dial. The SR2000 features 1,000 memory channels and 40 search bank memories which can be easily be set up to suit your individual monitoring requirements.

Step Resolution Mode

The step resolution mode applies known frequency steps to specific bands (such as VHF Air).

Channel scope Mode

The Channel scope mode can be used effectively to monitor a known channelized band. When the operating frequency range is already known (such as in amateur radio bands), the SR2000 can be used as a band scope.

SPECIFICATIONS

Frequency range:	25 ~ 3,000 MHz (no gap)
Receive modes:	AM/NFM/WFM/SFM
Receiver configuration:	Triple conversion super heterodyne
IF frequency:	1st IF : 255.3 / 744.3 MHz 2nd IF: 10.7 MHz 3rd: 455 KHz
Sensitivity:	25MHz ~ 225MHz: NFM: 0.35uV (12dB SINAD) AM: 0.6uV (10dB S/N) WFM: 2.0uV (12dB SINAD) 225MHz ~ 1.7GHz: NFM: 0.35uV (12dB SINAD) AM: 0.8uV (10dB S/N) WFM: 2.0uV (12dB SINAD) 1.7GHz ~ 2.7GHz: NFM: 0.6uV (12dB SINAD) 2.7GHz ~ 3GHz NFM: 1.5uV (12dB SINAD)
IP3:	25MHz ~ 225MHz: +1.0 dBm 225MHz ~ 1.7GHz: +1.0 dBm 1.7GHz ~ 2.7GHz: +1.0 dBm 2.7GHz ~ 3GHz: +1.0 dBm
S/N:	25 MHz ~ 225 MHz: 40 dB 225MHz ~ 1.7GHz : 35 dB 1.7GHz ~ 2.7GHz: 32 dB 2.7GHz ~ 3 GHz: 30 dB
Frequency stability:	+/- 1 ppm (32 ~ 122 degrees F)
LCD:	5 inches TFT color LCD
Memory channels:	1,000
Search banks:	40
Pass channel memory:	1,600
Priority channel:	1
Operation mode:	Spectrum mode, Step resolution mode, Channel scope mode
Input impedance:	50 ohm, BNC
Audio output:	1.2watts(at 8 ohm) 10% THD
Speaker:	External
PC interface:	RS-232C (USB optional)
Power requirements:	12 ~ 16 V DC, 1.4 amps (at 1 watt audio output)
Control keys:	26 keys, one (1) dial
Operating temperature:	32 ~ 122 degrees (F)
Dimensions:	220 (w) x 120 (h) x 195 (d) (mm) 8.7 (w) x 4.7(h) x 7.7 (d) (inches) Projections not included
Weight:	Approximately 3.3 KG (7.4lbs)

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